

Title (en)
Integrated high voltage generating system.

Title (de)
Integrierte Hochspannung erzeugende Einrichtung.

Title (fr)
Dispositif générateur de haute tension intégré.

Publication
EP 0376627 A2 19900704 (EN)

Application
EP 89313428 A 19891221

Priority
JP 32825788 A 19881226

Abstract (en)
The invention discloses an integrated high voltage generating system possessing a charge pump for boosting stepwise the potential of an output node sequentially from the value of a first supply voltage to the value of a second supply voltage in synchronism with the clock pulses applied through a capacitor, wherein the second supply voltage is supplied to the gate electrode of the output MOS transistor connected between the output node of the charge pump and the output terminal. In this constitution, since the gate potential of the output MOS transistor is fixed at the value of the second supply voltage, the potential fluctuation due to clock pulses does not appear on the output voltage taken out of the output terminal.

IPC 1-7
G11C 16/06; H02M 3/07; H03K 17/06; H03K 19/017

IPC 8 full level
H02M 3/07 (2006.01)

CPC (source: EP)
H02M 3/07 (2013.01)

Cited by
WO9956383A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0376627 A2 19900704; EP 0376627 A3 19910123; EP 0376627 B1 19950222; DE 68921322 D1 19950330; DE 68921322 T2 19950921

DOCDB simple family (application)
EP 89313428 A 19891221; DE 68921322 T 19891221